

ABSTRACT

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A gas-discharge display apparatus is provided that
reduces influence of light emission of the discharging gas
so as to enhance a color reproducible range and make color
purity of red color close to the ideal value. The apparatus
uses a gas containing at least one of neon and helium for
generating the gas discharge and exciting three kinds of
fluorescent materials having different light colors to emit
light for color image display. In front of the gas
discharge space, an optical filter is disposed, whose
transmittance at the wavelength of 585 nanometers is smaller
than both the transmittance at the wavelength of 450
nanometers and the transmittance at the wavelength of 620
nanometers.